

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/090085 A1

(51) International Patent Classification⁷: C11D 1/72, 3/30, B08B 3/04

(21) International Application Number:
PCT/US2004/010666

(22) International Filing Date: 5 April 2004 (05.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/460,060 3 April 2003 (03.04.2003) US

(71) Applicant (*for all designated States except US*):
VOCFREE, INC. [US/US]; 163 South Street, Hackensack, NJ 07601 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SUGERMAN, Gerald** [US/US]; 8 Cambridge Drive, Allendale, NJ 07401 (US). **COSBY, James, V.** [US/US]; Groton, CT (US).

(74) Agents: **HSI, Jeffrey, D.** et al.; Edwards & Angell, LLP, P.O. Box 55874, Boston, MA 02205 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VOC FREE COATINGS STRIPPERS

(57) Abstract: Utilization of certain essentially nonvolatile oligo alkylene glycols and or their mono alkyl ethers, and/or hydroxy esters thereof, in combination with selected, optionally (partially) neutralized, nonvolatile hydroxyl group bearing di / oligoamines, optionally in conjunction with defoamers, water, and / or wetting agents, have been found to produce VOC free, minimally corrosive, highly efficient strippers for coatings, such as paints, printing inks, and floor waxes.



WO 2004/090085 A1